

Annex I

Plasmid pVK100

DSMZ

Name	pVK100
DSM No.	7141
	= ATCC 37156, K12 HB101
History	<- ATCC <- E. Nester, Washington
Mol. Weight	23.00 kb
Marker	Km ^r , Tc ^r
Remarks	A cosmid broad host range cloning vector. Mobilization by the helper plasmid pRK2013. Construction: pRK290 and pHK17 cos site. Cloning sites: <i>EcoRI</i> , <i>Sall</i> , <i>HindIII</i> , <i>XhoI</i> .
Distributed in	<i>Escherichia coli</i> K12 HB101
Medium	381, 37°C
References	6295
Price	EURO 38 (non-profit making institutions), EURO 54 (other institutions): Normal price.
Restrictions	Genetically engineered microorganism, restricted distribution (C)

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DSMZ**List of Plasmids****Microorganisms**

Anmerk II



Return to this vector's summary.

ID PVK100 preliminary; circular DNA; SYN; 23000 BP.
 XX
 AC ATCC37156;
 XX
 DT 01-JUL-1993 (Rel. 7, Created)
 DT 01-JUL-1995 (Rel. 12, Last updated, Version 1)
 XX
 DE Broad host range/E.coli cosmid vector pVK100 - incomplete.
 XX
 KW cloning vector.
 XX
 OS Cloning vector
 OC Artificial sequences; Cloning vehicles.
 XX
 RN [1]
 RC pVK100 from pRK290 & pHK17
 RC pVK101 from pVK100
 RC pVK102 from pVK100
 RC pVK200 series from pVK102 & pTiA6
 RC pVK261 from pVK102 & pTiA6
 RA Knauf V.C., Nester E.W.;
 RT "Wide host range cloning vectors: a cosmid clone bank of an
 RT Agrobacterium Ti plasmid";
 RL Plasmid 8:45-54(1982).
 XX
 RN [2]
 RC pHK17 from pRK2501 & pHC79
 RC pHK111, pHK121, pHK120, pHK210 from pHK17 & pTiA6
 RC pTiA6::Tn5 from pTiA6 & Tn5
 RA Klee H., Gordon M.P., Nester E.W.;
 RT "Complementation analysis of Agrobacterium tumefaciens Ti plasmid
 RT mutations affecting oncogenicity";
 RL J. Bacteriol. 150:327-331(1982).
 XX
 RN [3]
 RC pTiB6-806 from Agrobacterium Ti octopine plasmid
 RC pTiA6 from Agrobacterium Ti octopine plasmid
 RC pTiACH5 from Agrobacterium Ti octopine plasmid
 RC pTiT37 from Agrobacterium Ti nopaline plasmid
 RC pTiC58 from Agrobacterium Ti nopaline plasmid
 RA Nester E.W., Kosuge T.;
 RT "Plasmids specifying plant hyperplasias";
 RL Annu. Rev. Microbiol. 35:531-565(1981).
 XX
 RN [4]
 RC from pVK102 & OpMNPV
 RA Chen D.D., Nesson M.H., Rohrmann G.F., Beaudreau G.S.;
 RT "The genome of the multicapsid baculovirus of Orgyia pseudosugata:
 RT restriction map and analysis of two sets of GC-rich repeated
 RT sequences";
 RL J. Gen. Virol. 69:1375-1381(1988).
 XX
 CC A cosmid, broad host range cloning vector. (ATCC staff)
 CC Mobilization by the helper plasmid pRK2013 (ATCC 37159).
 CC Medium is 1273 LB plus tetracycline.
 CC NM (pVK100)
 CC CM (no)
 CC NA (ds-DNA)
 CC TP (circular)
 CC ST ()

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CC : TY (cosmid)
CC  SP (ATCC)
CC  HO (E.coli HB101) (broad host range) (E.coli)
CC  CP ()
CC  FN (cloning)
CC  SE ()
CC  PA ()
CC  BR ()
CC  OF ()
CC  OR ()
XX
FH  Key          Location/Qualifiers
FH
FT  misc_feature  0..0
FT                /note="1. RK2, oriT/tet gene
FT                -> pRK248 10000bp
FT                1. pRK248 10000bp
FT                2. E. coli 1100bp, kan gene
FT                -> pRK2501 11100bp
FT                1. pRK2501 BglII 11100bp
FT                2. pHC79 BglII-BglII 1719bp 2111..3830, lambda cos
FT                -> pHK17 12800bp
FT                1. RK2
FT                -> pRK290 20000bp
FT                1. pRK290 SalI-EcoRI, trfA/trfB genes
FT                2. pHK17 SalI-EcoRI, oriV
FT                -> pVK100 23000bp"
FT  misc_binding  0..0
FT                /note="SIT unique EcoRI-SalI-HindIII-XhoI"
FT  rep_origin    0..0
FT                /note="ORI E. coli RK2"
FT  CDS            0..0
FT                /note="ANT E. coli kanamycin resistance gene (kan)"
FT  CDS            0..0
FT                /note="ANT E. coli tetracycline resistance gene (tet)"
XX
SQ  Sequence 1 BP; 0 A; 0 C; 0 G; 0 T; 1 other;
n
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